tom piece of material to protrude to the right about one-eighth of an inch beyond the top piece of material.

5. Lower presser bar and stitch both pieces of fabric together on a line parallel to right edge of top piece of material as close to the edge as possible.
6. Raise presser foot and take out seamed material.
7. Open and flatten out the material on the machine, with the "right" sides down and the edges of fabrics standing up.
8. Lift hemmer to a raised position, then allow the one-eighth inch of material which is protruding, to enter the scroll edge of the hemmer.
9. Lower the presser bar and sew as in "Narrow Straight Stitch Hem," page 18.

PATCHING WITH A ZIGZAG STITCH

1. Move zigzag stitch width regulator lever, (B) Fig. 17, to No. ½.
2. Set stitch length regulator knob (F) at No. 2.
3. Place the patch over the hole and sew the patch on to the garment. This stitch is almost like a regular machine stitch but is strong, and it resists ripping. Now trim off the projecting edges of material. Move the zigzag stitch regulator lever (B) to No. 2, while leaving the stitch length regulator knob at No. 2 and sew a zigzag seam over the wavy zigzag stitch.
4. When completed cut out damaged piece on the reverse side.

MENDING ELASTIC KNITWEAR

1. Move zigzag stitch width regulator lever, (B) Fig. 17, to No. ½.
2. Set stitch length regulator knob (F) at No. 1.
3. Place the grain of the patch to be inserted in the same direction as the grain of the garment. Now stitch along this patch with the small wavy zigzag stitch. When finished, trim off the outer edges of the patch. Now move the zigzag stitch width regulator lever to No. 2 while leaving the stitch length regulator knob at No. 1 and sew with this wider zigzag stitch directly over the first wavy seam.

REPAIRING SLIT IN MATERIAL

1. Move zigzag stitch width regulator lever, (B) Fig. 17, to No. 3 or No. 4, depending on the width of slit to be stitched.
2. Set stitch length regulator knob (F) at No. 2.
3. Sew directly down the slit with this zigzag stitch. You may go over it twice to doubly reinforce the mend.

MAKING BUTTONHOLES (See Fig. 29)

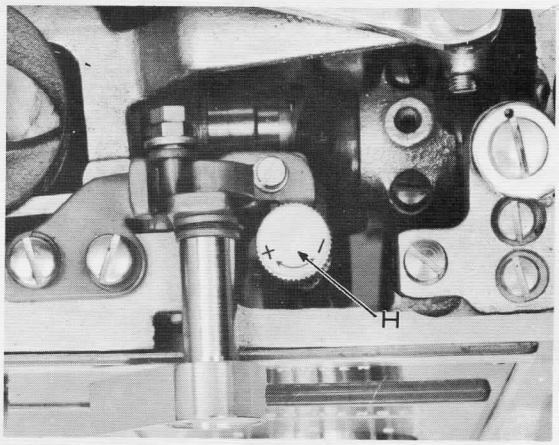

Fig. 28 Buttonhole Adjusting Knob

1. Remove regular presser foot and attach buttonhole foot.
2. Place buttonhole cam "BH" on machine, see page 15. Rotate cam to place "S" (start) opposite cam follower (F) Fig. 20 in order to start buttonhole at beginning.
3. Set stitch length dial (L) Fig. 20 at "red dot", just below No. 1 on stitch length dial.
4. Loosen stitch width lock (K) Fig. 20.
5. Turn buttonhole knob (J) Fig. 20 to the left, as shown in Fig. 9.
6. Mark material to show "centerline" and "end" of buttonhole. See Fig. 29. Start sewing with the left downward throw of the needle entering the material slightly to the left of the centerline. Use Fig. 32 as a guide and set pattern elongator (H) Fig. 20 to the desired length. It is advisable to experiment on a scrap of the same material as being sewn to adjust for the proper length buttonhole. Sew at the same rate of speed, as the speed of the machine can cause some variation in the length of buttonhole.
7. Place material under presser foot and begin buttonhole as shown in Fig. 29.
8. Sew at the same speed until buttonhole is completed, stopping the machine at the bartack, which is the point where buttonhole was first started.
9. Remove the material and cut between the line of stitching, using the buttonhole cutter, razor blade or embroidery scissors.